

UNIVERSITY OF JAFFNA, SRI LANKA

SECONDEXAMINATION FOR MEDICAL DEGREES PART 1 (2ND) –September 2010

MICROBIOLOGY – Paper II

Date: 27.09.2010

Time: 2 ½ hours

9.00 – 11.30am

Answer All 5 Questions

- 1
 - 1.1 Describe the pathogenesis , complications and preventive measures of *Neisseria gonorrhoea* infections (40 Marks)
 - 1.2 How do you differentiate gonococcal urithritis from non gonococcal urithritis by doing microbial diagnosis (40 Marks)
 - 1.3 Name 5 microbial species cause genital ulcers in man (20Marks)

- 2 Describe how you would make a microbiological diagnosis (including collection and transport of specimens) in the following clinical situations
 - 2.1 Tinea coporis (35Marks)
 - 2.2 A 20 year old male with a suspected urinary tract infection (35 Marks)
 - 2.3 An 8 year old child with pneumonia (30 Marks)

- 3 Explain the pathogenesis of the following infective diseases:
 - 3.1 Necrotizing fasciitis (35Marks)
 - 3.2 Tuberculosis (35Marks)
 - 3.3 Scrub typhus (30Marks)

- 4
 - 4.1. Write an account on *Clostridium tetani* on the following aspects
 - 4.1.1 Clinical presentations (10Marks)
 - 4.1.2 Pathogenesis (10Marks)
 - 4.1.3 Diagnosis (20Marks)
 - 4.1.4 Treatment (20Marks)
 - 4.1.5 Prevention (15Marks)
 - 4.2 Name 5 Clostridial species(excluding *Clostridium tetani*)which cause infections in humans (20Marks)

- 5 Write notes on
 - 5.1 Tuberculin reaction (35Marks)
 - 5.2 Standard Agglutination Test (35Marks)
 - 5.3 Cryptococcosis (30Marks)